



IFWO

RAW SEQUENCE LISTING

DATE: 08/31/2004

PATENT APPLICATION: US/10/797,613

TIME: 12:57:32

Input Set : N:\Crf3\RULE60\10797613.raw

Output Set: N:\CRF4\08312004\J797613.raw

1 <110> APPLICANT: Zambrowicz, Brian
 2 Friedrich, Glenn A.
 3 Lilleberg, Stan
 4 Sands, Arthur T.
 5 <120> TITLE OF INVENTION: Vectors for Gene Mutagenesis and Gene Discovery
 6 <130> FILE REFERENCE: 07705.0001-00000
 7 <140> CURRENT APPLICATION NUMBER: US/10/797,613
 8 <141> CURRENT FILING DATE: 2004-03-09
 9 <150> PRIOR APPLICATION NUMBER: US/09/443,282
 10 <151> PRIOR FILING DATE: 1999-11-19
 11 <150> PRIOR APPLICATION NUMBER: US 09/276,533
 12 <151> PRIOR FILING DATE: 1999-03-25
 13 <150> PRIOR APPLICATION NUMBER: US 60/109,302
 14 <151> PRIOR FILING DATE: 1998-11-20
 15 <150> PRIOR APPLICATION NUMBER: US 60/081,727
 16 <151> PRIOR FILING DATE: 1998-04-14
 17 <150> PRIOR APPLICATION NUMBER: US 60/079,729
 18 <151> PRIOR FILING DATE: 1998-03-27
 19 <160> NUMBER OF SEQ ID NOS: 33
 20 <170> SOFTWARE: PatentIn version 3.2
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 43
 24 <212> TYPE: DNA
 25 <213> ORGANISM: mus musculus
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 30 <211> LENGTH: 41
 31 <212> TYPE: DNA
 32 <213> ORGANISM: adenovirus
 33 <400> SEQUENCE: 2
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 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 35
 38 <212> TYPE: DNA
 39 <213> ORGANISM: mus musculus
 40 <400> SEQUENCE: 3
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 43 <210> SEQ ID NO: 4
 44 <211> LENGTH: 42
 45 <212> TYPE: DNA
 46 <213> ORGANISM: mus musculus
 47 <400> SEQUENCE: 4



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52 <212> TYPE: DNA
53 <213> ORGANISM: mus musculus
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60 <213> ORGANISM: mus musculus
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65 <211> LENGTH: 40
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72 <211> LENGTH: 37
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74 <213> ORGANISM: mus musculus
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86 <211> LENGTH: 36
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93 <211> LENGTH: 35
94 <212> TYPE: DNA
95 <213> ORGANISM: mus musculus
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101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: chimeric sequence

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111 <213> ORGANISM: Artificial Sequence
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113 <223> OTHER INFORMATION: chimeric sequence
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118 <211> LENGTH: 22
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125 <211> LENGTH: 23
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158 <210> SEQ ID NO: 19
159 <211> LENGTH: 20
160 <212> TYPE: DNA

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163 <223> OTHER INFORMATION: chimeric sequence
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168 <211> LENGTH: 68
169 <212> TYPE: DNA
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175      cagacgtg                                                    68
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179 <212> TYPE: RNA
180 <213> ORGANISM: Artificial Sequence
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185      cagacgug                                                    68
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189 <212> TYPE: DNA
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194      cacgtctgca gtccggagga gtgtgtttct cctccgctga tgagtcctg aggcagaaac      60
195      tgcagacgtg                                                    70
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199 <212> TYPE: RNA
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202 <223> OTHER INFORMATION: chimeric sequence
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205      ugcagacgug                                                    70
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209 <212> TYPE: DNA
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212 <223> OTHER INFORMATION: chimeric sequence
213 <400> SEQUENCE: 24
214      ggatccgaat tctcgaggct aagccagttt tctgaccctt gactgcgttt catcgattcg      60

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215      ctactaacat tgccttttcc tccttccctc ccacaggtgg aagagctcgg gtaccaggag      120
216      aggagaggag aggagaggag aggagaggag aggagaggag aggagaggag aggagatctc      180
217      aggtgagttc gcatgtgctt cgaacttggtg tgcattgcgtt ctaaaagggc ttctcttggt      240
218      gttcgatctg gggctaagct taattaagaa ttcggatcc      279
220 <210> SEQ ID NO: 25
221 <211> LENGTH: 104
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: chimeric sequence
226 <400> SEQUENCE: 25
227      gtggaagagc tcgggtacca ggagaggaga ggagaggaga ggagaggaga ggagaggaga      60
228      ggagaggaga ggagaggaga tctcaggtga gttcgcattg gctt      104
230 <210> SEQ ID NO: 26
231 <211> LENGTH: 96
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: chimeric sequence
236 <400> SEQUENCE: 26
237      atgtggaaga gctcgggtac caggagagga gaggagagga gaggagagga gaggagagga      60
238      gaggagagga gatctcaggt gagttcgcatt gtcgtt      96
240 <210> SEQ ID NO: 27
241 <211> LENGTH: 526
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: chimeric sequence
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (20)..(518)
249 <223> OTHER INFORMATION: n = a, t, c, or g
250 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
252 <222> LOCATION: (20)..(518)
253 <223> OTHER INFORMATION: each of these residues may be absent or present
254 <400> SEQUENCE: 27
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256      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
257      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
258      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      240
259      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      300
260      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
261      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      420
262      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      480
263      nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc tcaggt      526
265 <210> SEQ ID NO: 28
266 <211> LENGTH: 528
267 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : N:\Crif3\RULE60\10797613.raw
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; N Pos. 20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39
Seq#:27; N Pos. 40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59
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Seq#:27; N Pos. 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:27; N Pos. 100,101,102,103,104,105,106,107,108,109,110,111,112,113,114
Seq#:27; N Pos. 115,116,117,118,119,120,121,122,123,124,125,126,127,128,129
Seq#:27; N Pos. 130,131,132,133,134,135,136,137,138,139,140,141,142,143,144
Seq#:27; N Pos. 145,146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:27; N Pos. 160,161,162,163,164,165,166,167,168,169,170,171,172,173,174
Seq#:27; N Pos. 175,176,177,178,179,180,181,182,183,184,185,186,187,188,189
Seq#:27; N Pos. 190,191,192,193,194,195,196,197,198,199,200,201,202,203,204
Seq#:27; N Pos. 205,206,207,208,209,210,211,212,213,214,215,216,217,218,219
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Seq#:28; N Pos. 311,312,313,314,315,316,317,318,319,320,321,322,323,324,325

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:32; Line(s) 352
Seq#:33; Line(s) 370

VERIFICATION SUMMARY

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TIME: 12:57:33

Input Set : N:\Cr3\RULE60\10797613.raw

Output Set: N:\CRF4\08312004\J797613.raw

L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
M:341 Repeated in SeqNo=27
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
M:341 Repeated in SeqNo=28
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
M:341 Repeated in SeqNo=29